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(21)Application number : 04-182445 (71)Applicant : TORAY IND INC
(22)Date of filing : 09.07.1992 (72)Inventor : IIJIMA HIROMICHI
WATANABE KOJI

(54) YARN HAVING EXCELLENT DURABLE WATER REPELLENCY AND ITS PRODUCTION

(57)Abstract:

PURPOSE: To obtain yarn having excellent durable water repellency, showing water-repellent effects not simply reducing by washing, friction during wearing, etc.

CONSTITUTION: Yarn comprises a sheath-core type structure having a ratio of a core component/a sheath component of 60/40-95/5wt.% wherein the sheath component contains 2-15wt.% modified silica fine particles which are made hydrophobic with methyl group, trimethyl group or octylsilane and have 50-150m²/g specific surface area and \leq 90wt.% SiO₂ content.

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